

# NSF Data Management Plans as Repository Research Tool

Susan Wells Parham | Jake Carlson | Patricia M. Hswe | Brian Westra | Amanda Whitmire  
Open Repositories 2016

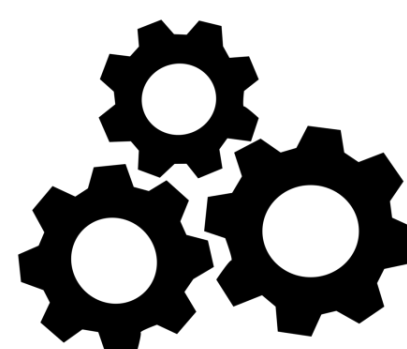
## DART Project

A multi-university study of faculty data management plans submitted to NSF. Turn the DMP into a research tool!

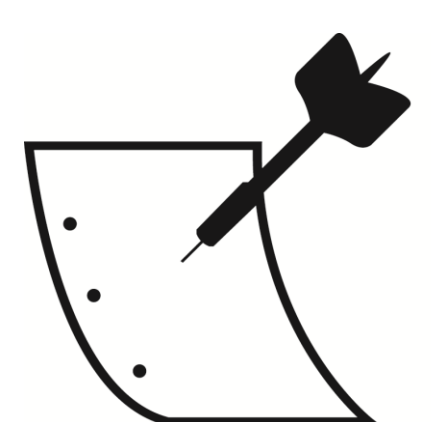
## Project Outputs

- 1) An analytic rubric to standardize the review of DMPs to inform targeted expansion or development of research data services at academic libraries;
- 2) A study utilizing the rubric that presents the results of data management plan analyses at five universities.

## Approach



- 1) Develop analytic rubric from NSF and NSF directorate guidelines
- 2) Determine additional information to gather from DMPs, such as how researchers plan to share data
- 3) After rubric testing, use tool to review 500 DMPs from 5 research intensive US universities
- 4) Analyze resulting dataset to determine, comparing plans by directorate
- 5) Share results of DMP analysis
- 6) Finalize & share rubric



**DART**  
PROJECT

Data management plans as A  
Research Tool  
<http://bit.ly/dmpresearch>  
@DMPResearch

Methods of sharing research data as described in NSF data management plans, by directorate

	All	BIO	CISE	ENG	GEO	MPS	SBE	Scale
Did not specify	29	23	39	33	14	29	30	60
Data center or repository	28	58	9	9	59	14	36	55
Centralized storage servers	23	12	23	34	8	39	12	50
Institutional repository	15	8	14	15	6	26	20	45
PC / external storage media	15	12	9	20	10	25	10	40
Other method	12	17	15	11	8	15	10	35
Personal / project website	6	2	6	8	8	2	4	30
Journal / supplement	3	0	6	3	5	5	2	25
Not planning to archive	1	0	2	0	0	4	2	20
Conference / proceedings	1	0	3	2	0	0	0	15
Thesis / Dissertation	1	0	0	2	0	1	0	10
On request	0	0	2	0	1	0	0	5
Book	0	0	0	0	0	0	0	0

Methods of archiving research data as described in NSF data management plans, by directorate

	All	BIO	CISE	ENG	GEO	MPS	SBE	Scale
Journal / supplement	36	27	23	45	35	54	18	80
Data center or repository	34	75	14	8	66	25	42	70
On request	30	23	30	38	24	34	26	60
Personal website	25	13	44	31	25	20	12	50
Other method	22	27	30	15	23	18	22	40
Institutional repository	17	6	12	20	6	28	20	35
Conference / proceedings	13	8	11	23	8	13	8	30
Did not specify	8	0	18	9	2	8	4	25
Thesis / Dissertation	3	0	0	5	2	6	2	20
Not planning to share	3	0	5	3	0	1	10	10
Book	2	2	2	3	2	2	2	0

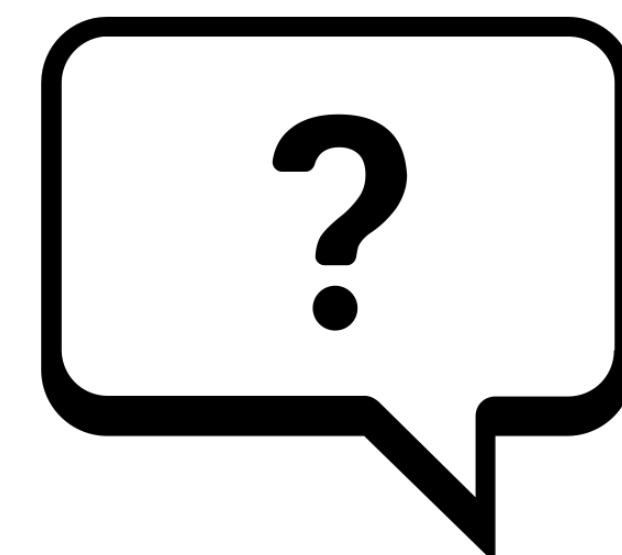
## PROJECT TEAM

**Amanda L. Whitmire** — Hopkins Marine Station Stanford University  
**Jake Carlson** — University of Michigan Library  
**Patricia M. Hswe** — Pennsylvania State University Libraries  
**Susan Wells Parham** — Georgia Institute of Technology Library  
**Brian Westra** — University of Oregon Libraries



INSTITUTE of  
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SERVICES

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Created by Viktor Vorobyev  
from Noun Project

Did the DMP mention  
library services,  
such as the IR ?

**40%**

University of Oregon

**28%**

University of Michigan

**14%**

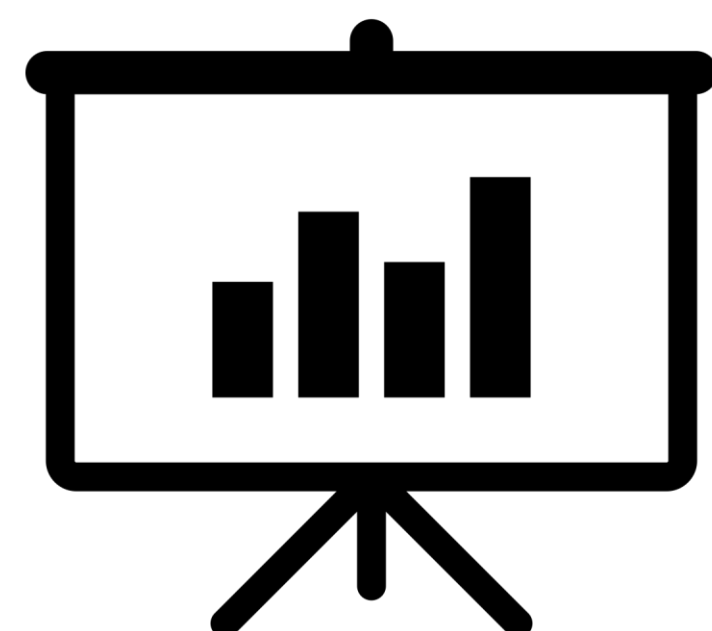
Georgia Tech

**11%**

Penn State University

**7%**

Oregon State University



Trinity College  
Dublin, Ireland  
June 13-16, 2016